



Program Implementation

The LWS program will develop many elements of a space weather research system that balance science and applications and, in so doing, will fill critical voids that exist in the present state of the art. Specifically, the LWS program will:

- Utilize current and near-future data sets, facilities, and programs in the conduct of directed research to achieve LWS objectives
- Support the development of new instruments and systems required for future spaceflight within the LWS program
- Design and develop a set of core spacecraft to fulfill the needs of the LWS objectives as a stand-alone program
- Operate and acquire data from the LWS spacecraft for periods of time sufficient to accomplish the LWS objectives, including the transmission of necessary real-time data
- Process, distribute, and analyze the acquired data
- Perform research and analysis that enables the development of predictive, physics-based, space weather models and specification models

